

Southern Regional High School

Manahawkin, New Jersey

Course Syllabus

Department: Science

Course: Basic Environmental Science

Marking Period 1

Topics/Units to be covered:

- Classroom Expectations/Grading
 - Lab safety
 - Salinity/density and tank maintenance
 - M² lab
 - Tagging studies
 - Ocean use over time
 - Mapping and orienteering
- GPS Technology
Bathymetry
Remote sensing

QUARTERLY (Date TBA)

Marking Period 2

Topics/Units to be covered:

- Ecology
 - Interactions between organisms
 - Interdependence
 - Symbiosis
 - Communities/populations
 - Population studies
 - Succession
- Biotic/Abiotic
Biomes
UNIT 3
Cycles in Nature
Fishbanks
Resource management and policy

QUARTERLY (Date TBA)

Marking Period 3

Topics/Units to be covered:

- Soil Resources
 - Land resources
 - Water resources
 - Air resources
- UNIT 4**
• Hazardous waste
• Pollution
- Greenhouse effect
Endangered/threatened species
Recycling
Conservation
Waste streams

QUARTERLY (Date TBA)

Marking Period 4

Topics/Units to be covered:

- UNIT 5**
- How we need and use energy
 - Petroleum fuels
 - Nuclear fuels
 - Alternative sources of energy
 - Evaluation of alternative sources.
 - Final Exam